Abstract:

The invention describes a method for assembling insulating glass panes that are filled with a gas different from air, by

- arranging a first glass sheet (24) and a second glass sheet (25), provided with a spacer (27), in a vertical or inclined position so that they are positioned one opposite to the other, without the first glass sheet (24) being in contact with the spacer 27,
- forming a chamber that encloses the space between the glass sheets (24, 25), by providing a belt (4a) at the lower edge of the glass sheet arrangement and at least one seal (52, 54) beside each of the upright edges of the glass sheet arrangement, which seal extends from a point above the belt (40a) down to the belt (40a),
- introducing a gas different from air into the chamber from below and closing the insulating glass pane by approaching the glass sheets (24, 25) one to the other once a desired filling grade or filling level has been reached.

According to the invention it is provided that one of the two glass sheets (24, 25) is held at a spacing from the belt (40a) during introduction of the gas different from air and that the gas different from air is introduced into the chamber through a gap between the belt (40a) and the lower edge of said one glass sheet (24) while the latter is kept in spaced arrangement.